

## State Agricultural Summaries

*These summaries, issued weekly through the summer growing season, provide brief descriptions of crop and weather conditions important on a national scale. More detailed data are available in Weather and Crop Bulletins published each Monday by NASS State Statistical Offices in cooperation with the National Weather Service. The crop weather reports are also available on the Internet through the NASS Home Page on the World Wide Web at <http://www.usda.gov/nass/> or from JAWF at <http://www.usda.gov/oce/waob/jawf>.*

**ALABAMA:** Days suitable for fieldwork 5.6. Topsoil 20% very short, 42% short, 38% adequate. Corn 48% silked, 46% 1999, 40% average. Corn 32% very poor, 24% poor, 20% fair, 23% good, 1% excellent. Soybeans 75% planted, 79% 1999, 78% 5yr avg. Soybeans 65% emerged, 65% 1999, not available for 5 yr avg. Soybean 3% very poor, 20% poor, 52% fair, 24% good, 1% excellent. Wheat 80% harvested, 62% 1999, and 61% 5yr avg. Wheat condition: 2% very poor, 9% poor, 30% fair, 54% good, 5% excellent. Hay 91% Harvested, 90% 1999, 87% 5 yr avg. Pasture feed 23% very poor, 26% poor, 31% fair, and 20% good. Livestock condition: 3% very poor, 10% poor, 30% fair, 54% good, 3% excellent. State received much needed rainfall. Rainfall levels averaged 1-2 inches across most of the state.

**ALASKA:** Days suitable for fieldwork 6.5. Topsoil 55% short, 45% adequate. Subsoil moisture supplies 30% short, 70% adequate. Scattered showers, cloudy weather prevailed over the agricultural areas of the State for much of the week. Conditions remained dry, causing producers to continue to irrigate their fields. Daytime high temperatures were mostly in the sixties. Lows were mostly in the forties. Barley 97% emerged, 100% 1999, 100% avg. Oats 90% emerged, 100% 1999, 100% avg. Average height of small grains, 7.5". Potatoes 50% emerged, 28% 1999, 38% avg. Crop growth 25% slow, 60% moderate, 15% fast. Wind, rain damage to new plantings 95% none, 5% light. Major farming activities for the week included: Re-seeding grass, hay fields, weed control, transplanting vegetables, irrigating vegetable, hay, potato fields. Some first crop hay has been harvested.

**ARIZONA:** Area continued to record above average temperatures with very light precipitation during the week of June 18. Above average temperatures have caused an early small grains harvest. The lack of precipitation has little impact on field crops due to irrigation. Range, pasture feeds remain very dry.

**ARKANSAS:** Days suitable for fieldwork 4.0. Soil moisture 6% short, 64% adequate, 30% surplus. Rice 100% planted, 100% 1999, 100% 5 yr. avg.; 99% emerged, 100% 1999, 99% 5 yr avg.; 1% very poor, 4% poor, 21% fair, 61% good, 13% excellent. Sorghum 98% planted, 100% 1999, 100% 5 yr. avg.; 95% emerged, 98% 1999, 99% 5 yr avg.; 1% very poor, 2% poor, 18% fair, 73% good, 6% excellent. Cotton 100% emerged, 100% 1999, 100% 5 yr. avg.; 38% squared, 50% 1999, 42% 5 yr. avg.; 2% setting bolls; 3% very poor, 15% poor, 33% fair 46% good, 3% excellent. Soybean 83% planted, 81% 1999, 79% 5 yr avg.; 70% emerged, 67% 1999, 66% 5 yr. avg.; 2% bloomed, 3% 1999, 4% 5 yr. avg.; 2% very poor, 5% poor 25% fair, 54% good, 14% excellent. Corn 11% fair, 62% good, 27% excellent; Wheat 82% harvest, 68% 1999, 56% 5 yr avg. Alfalfa Hay 1% very poor, 0% poor, 26% fair, 56% good, 17% excellent; Other Hay 1% very poor, 2% poor, 25% fair, 55% good, 17% excellent. Pasture, Range feeds 1% very poor, 3% poor, 18% fair, 58% good, 20% excellent. Soybean planting continued while sorghum planting was near completion. Cotton, soybeans were being cultivated. Wheat harvest continued. Soybeans, rice were being sprayed with herbicides to control weeds. Some cotton fields were still being sprayed for thrips. Many rice farmers were fertilizing, flooding their fields. Other activities included: Fertilizing, applying weed control to pastures, as well as, harvesting hay. Livestock were in good condition. Cattle were being treated for horn flies, internal parasites. Many reports are received on Friday and may not reflect conditional changes due to weekend weather.

**CALIFORNIA:** Growth in some cotton fields appeared uneven, but recent hot weather has aided crop development. Cotton fields were cultivated, irrigated, treated to control weeds, aphids, lygus, worms. Rainfall in some cotton production areas helped settle dust, controlling mites. Alfalfa hay was in all stages of production. Several alfalfa fields were treated for weeds, mites, lygus. There was scattered rainfall damage to alfalfa hay, ranging from slight to heavy depending on location, amount of rainfall. Alfalfa seed fields were blooming. Many safflower, sunflower seed fields were beginning to bloom. Wheat, barley harvest continued;

last week's rainfall only delayed activities by a day or two. Corn for silage was still being planted; previously planted fields were thriving. Occasional corn fields were sprayed for weeds, mites. Sugarbeets continued to mature. Sulfur was applied to some sugarbeet fields. Other fields of sugarbeets were being harvested. Rice fields were treated for weeds, weevils. Dry beans continued to be planted in some areas. Fruit, nut growers were conducting summer's cultural activities. Weed control, fungicide applications, irrigation continued in vineyards, orchard. Grape vineyards were treated for mildew, leafhoppers. Harvest of grapes for fresh consumption was active in the Coachella Valley. Thompson Seedless, Flame Seedless were the main varieties harvested. Picking was active in apricots, freestone peaches, nectarines, plums. Warmer temperatures have enhanced maturity, but rain showers in the San Joaquin Valley last week may have caused fruit softening. Olives were thinned. Picking of grapefruit was active in the San Joaquin Valley. Lemon harvest was active in southern state. The harvest of Valencia oranges progressed in the desert areas and in the San Joaquin Valley. New crop citrus was experiencing "June drop." Strawberry picking was active on the central coast, winding down in the central valley. Some vegetable crops were affected by the hot weather. High temperatures caused some damage to vegetable transplants. Tomato fields were treated for weeds. Some fields of tomato, sweet corn were treated for worms. Melon fields were treated for beetles in some parts of the Sacramento Valley. Most melons were blooming, growing normally. Aphid control activities continued in watermelons. Planting of cantaloupe, honeydew, tomatoes, bell peppers continued. Eggplant picking was in full swing. Harvesting of various squashes, peppers was also active. Volume of cucumbers picked was increasing. Red onions were being harvested. Some onions remaining in burlap sacks that were not picked up before last week's rain may be susceptible to rot. Carrots continued to be planted, harvested on a year round basis. Additional crops harvested include Basil; broccoli; chard; cilantro; mustard greens; fresh, processing onions; lettuce; lemon grass; okra leaf; parsley; sweet corn; peas; radishes; spinach; turnips. Near record high temperatures accelerated the final movement of cattle from foothill pastures. Grass was dry. Higher temperatures in mountain areas improved grass growth, feed conditions on summer pastures. Irrigated pastures, both in the valleys, at higher elevations were in good condition. The hot weather caused a decline in milk production, increased death losses in turkey, chicken houses. Beehives were being moved into sunflower, clover, alfalfa fields.

**COLORADO:** Days suitable for fieldwork 6.8. Topsoil 34% very short, 39% short, 27% adequate, 0% surplus. Subsoil moisture 35% very short, 33% short, 32% adequate, 0% surplus. Temperatures were more seasonal but windy conditions, a general lack of rain continued to stress dryland crops, delay planting of sorghum, sunflowers. Spring barley 11% headed, 45% 1999, 49% avg.; 10% turning color, 1% 1999, 6% avg.; 1% very poor, 7% poor, 18% fair, 54% good, 20% excellent. Dry onions 3% very poor, 7% poor, 16% fair, 48% good, 26% excellent. Sugar beets 2% very poor, 7% poor, 18% fair, 48% good, 25% excellent. Summer potatoes 100% emerged, 98% 1999, 98% avg.; 1% very poor, 4% poor, 12% fair, 61% good, 22% excellent. Fall potatoes 88% emerged, 79% 1999, 69% avg.; 4% poor, 12% fair, 73% good, 11% excellent. Dry beans 94% planted, 93% 1999, 78% avg.; 66% emerged, 72% 1999, 55% avg.; 10% very poor, 11% poor, 34% fair, 36% good, 9% excellent. Spring wheat 45% headed, 20% 1999, 38% avg.; 21% turning color, 0% 1999, 1% avg.; 3% very poor, 10% poor, 21% fair, 48% good, 18% excellent. Alfalfa 72% 1<sup>st</sup> cutting, 55% 1999, 51% avg.; 3% 2<sup>nd</sup> cutting, 0% 1999, 0% avg.

**DELAWARE:** Days suitable for fieldwork 4.3. Topsoil 7% short, 88% adequate, 5% surplus. Subsoil moisture 2% short, 92% adequate, 6% surplus. Winter wheat 1% poor, 11% fair, 79% good, 9% excellent; 94% turned, 92% 1999, 79% avg. Barley 3% poor, 13% fair, 73% good, 11% excellent; 51% harvested, 62% 1999, 47% avg. Snap Beans 75% planted, 66% 1999, 51% avg. Sweet corn 73% planted, 87% 1999, 88% avg. Cucumbers 63% planted, 43% 1999, 51% avg. Tomatoes 95%

planted, 90% 1999, 84% avg. Watermelons 90% planted, 79% 1999, 84% avg. Cantaloupes 91% planted, 77% 1999, 79% avg. Soybeans 56% planted, 49% 1999, 50% avg.; 39% emerged, 46% 1999, 17% avg. Sorghum 65% planted, 63% 1999, 62% avg. Green peas 57% harvested, 54% 1999, 50% avg. Strawberries 92% harvested, 91% 1999, 87% avg. Pasture feed 27% fair, 73% good. Corn 1% very poor, 14% fair, 80% good, 8% excellent. Soybean 3% poor, 12% fair, 79% good, 6% excellent. Apple 16% fair, 78% good, 6% excellent. Peach 13% fair, 80% good, 7% excellent. Hay supplies 27% short, 73% adequate. Percent of cutting hay crop harvest; clover, other hays, 1<sup>st</sup> cutting 94% cut, 87% 1999, 92% avg; 2<sup>nd</sup> cutting 30% cut, 7% 1999, 11% avg. Alfalfa 2<sup>nd</sup> cutting 18% cut, 28% 1999, 17% avg. Activities: Below normal temperatures most of week, mite infestations reported heavy in a number of crops.

**FLORIDA:** Welcomed rains fell over western Panhandle, Big Bend areas with scattered storms also bringing relief to some dry areas of Peninsula. Rain at major stations ranged from 0.20 in. Tallahassee to over 1.66 in. Pensacola. Rainfall around Immokalee ranged from traces to about 2.75 in. Palmetto-Ruskin rainfall ranged from 1.00 to over 4.00 in. with Bradenton recording almost 2.25 in. Dover reported over 1.50 in.; Ocklawaha, almost 1.20 in. Ft. Pierce reported 1.75 in. Rainfall in other localities ranged from 0 to about 1.00. Temperatures at major stations averaged normal to 2° above. Most highs 80s, 90s; most lows 60s, 70s with Alachua reporting at least one low in 50s. Storms on Sunday, June 18 dumped over 2.25 in. over Fort Myers, 0.50 in. or less on other Peninsula localities. Moisture in State mostly very short to short. Farmers delaying planting of cotton, peanuts due to dry soil. Irrigated tobacco in good condition. Tobacco harvest starting. The dryland corn crop lost. Some irrigation systems not able to keep up with demand. Irrigated sugarcane in good condition. Sand land sugarcane stressed by drought. First, second cuttings of hay lost. Wild fires on Peninsula due to lack of rainfall. Peanuts are 21% pegged. Peanut crop 25% very poor, 38% poor, 30% poor, 7% good. Recent rains replenished soil moisture in major vegetable areas with lots more needed. Major vegetables available include: Watermelons, okra, tomatoes. Some rain most citrus areas, more needed, irrigation continues. New crop fruit making good progress. Valencia harvest slowing as supplies running out. Grapefruit harvest just about over except for a few east coast crops. Honey tangerines down to last few late bloom groves. Caretakers cutting cover crops, herbiciding, spraying, fertilizing, hedging and topping. Pasture feed 25% very poor, 60% poor, 15% fair. Cattle 5% very poor, 60% poor, 35% fair. Statewide, range, pasture feed continues poor to fair due to persistent drought. Some farm wells dry, Panhandle, north, central; cattleman feeding hay supplies, pasture feed remains critical. Cattle losing weight due to short feed. West Central, southwest: pastures beginning to recover following rain. Statewide, cattle condition poor to fair, unchanged from previous week.

**GEORGIA:** Days suitable for field work 6.2. Soil moisture 50% very short, 35% short, 15% adequate. Corn 42% dough, 43% 1999, 31% avg.; 13% dent, 11% 1999, 5% avg. Cotton 98% planted, 97% 1999, 99% avg. Hay 30% very poor, 31% poor, 28% fair, 11% good. Peanuts 47% blooming, 46% 1999, 57% avg. Sorghum 28% very poor, 34% poor, 26% fair, 11% good, 1% excellent; 79% planted, 86% 1999, 84% avg. Soybeans 69% planted, 78% 1999, 79% avg. Tobacco 5% very poor, 17% poor, 41% fair, 35% good, 2% excellent; 4% harvested, 2% 1999, 3% avg. Watermelons 9% very poor, 15% poor, 40% fair, 32% good, 4% excellent; 25% harvested, 10% 1999, 9% avg. Apples 1% very poor, 2% poor, 44% fair, 42% good, 11% excellent. Peaches 6% very poor, 7% poor, 23% fair, 50% good, 14% excellent; 39% harvested, 26% 1999, 45% avg. Pecans 12% very poor, 24% poor, 43% fair, 20% good, 1% excellent. Scattered thunderstorms occurred across the State late in the week. The rain brought temporary relief to some fields, pastures. Pond, creek levels continued to drop due to increased irrigation. Farmers irrigated where possible. Dryland crops suffered. Producers applied herbicide, insecticide to cotton. Tobacco budworms appeared, producers battled Mosaic, Tomato Spotted Wilt Virus in tobacco. Weed control was active in peanuts. Corn was stressed. Watermelon harvesting was in full swing. Pastures, hayfields continued to deteriorate. Some cattlemen have been forced to use recently harvested hay. Others sold cattle, calves. There were reports of wells going dry. Other activities included: Harvesting cantaloupes, wheat.

**HAWAII:** Weather was mostly fair to good for agriculture. Some much need rainfall on Tuesday, mostly windward sectors, on southern islands.

Otherwise, conditions were mostly sunny, dry. Irrigated crops, mostly vegetables, were in fair to good condition. Non-irrigated crops, pastures continued to be stressed by continued dry conditions. Banana, papaya harvesting active. Orchards in fair to good condition. Warmer temperatures causing rise in insect population.

**IDAHO:** Days suitable for field work 6.0. Topsoil 15% very short, 28% short, 55% adequate, 2% surplus. High winds, minimal rainfall continue to concern producers in Eastern State. County officials in Eastern areas reported dry land cereals to be most affected by the drought. The harvest of cherries has begun in the Treasure Valley. Irrigation supply 22% excellent, 43% good, 27% fair, 5% poor, 3% very poor. Oats 98% emerged, 93% 1999, 96% avg.; 11% headed, 16% 1999. Dry Beans 95% Planted, 84% 1999, 88% avg.; 79% emerged, 59% 1999, 61% avg. Cherries 5% harvested, 1% 1999, 1% avg. Potatoes 98% emerged, 82% 1999, 83% avg.; 12" high 48%, 13% 1999, 16% avg.; closing 11% middles, 1% 1999, 3% avg. Alfalfa hay 1<sup>st</sup> cutting 76% harvested, 54% 1999, 47% avg. Winter wheat 73% headed, 41% 1999, 55% avg.; 100% jointed; 94% booting. Spring wheat 43% headed, 16% 1999, 16% avg.; 92% jointed; 66% booting. Spring barley 37% headed, 20% 1999, 16% avg.; 90% jointed; 72% booting. Activities: Finishing seeding, cultivating, fertilizing, irrigating, spraying weeds, monitoring for disease, pests.

**ILLINOIS:** Days suitable for fieldwork 3.3. Topsoil 2% very short, 17% short, 61% adequate, 20% surplus. Corn height 31 in., 23 in. 1999, 14 in. avg. Wheat 99% filled, 99% 1999, 92% avg.; 94% turning yellow, 89% 1999, 69% avg. 65% ripe, 46% 1999, 25% avg. Oats 88% headed, 86% 1999, 53% avg.; 42% filled, 50% 1999, 22% avg.; 10% turning yellow, 13% 1999, 3% avg. Oats less than 1% ripe, 6% 1999, 1% avg.; 3% poor, 17% fair, 58% good, 22% excellent. Alfalfa 1st cut 95%, 90% 1999, 78% avg.; 2nd cut 18%, 10% 1999, 4% avg.; 2% poor, 19% fair, 59% good, 20% excellent. Red clover 79% cut, 80% 1999, 61% avg.; 3% poor, 24% fair, 54% good, 19% excellent. Sorghum 1% poor, 22% fair, 47% good, 30% excellent. Rains fell across the state last week providing much needed moisture statewide with some areas in the northern, southern parts of the state expressing concern with too much rainfall. Localized areas in the north experienced flooding along rivers, tributaries with little hope of being able to replant this year while wheat harvest in the south was delayed with concerns of grain quality reported due to the recent rains. "The corn roots are starting to reach the nitrogen", the crop is growing rapidly. Wheat harvest got under way in many areas last week but was delayed considerably due to the rain. Farmers utilized the week spraying beans, cultivating, mowing roadsides, baling hay, harvesting wheat between the rains.

**INDIANA:** Days suitable for fieldwork 3.8. Topsoil 3% very short, 13% short, 62% adequate, 22% surplus. Subsoil 7% very short, 30% short, 55% adequate, 8% surplus. Field activities slowed by showers, heavy amounts some areas. Corn making good growth, development. Precipitation averaged 1.3 inches to over 6 inches. Most areas received 2 to 4 inches of rain. Temperatures averaged 0E to 7E above normal. Soybean planting virtually complete, except for double crop soybeans. Replanting in some soybean fields. Weeds, insects in some corn, soybean fields. Nitrogen, post herbicide applications continued. Range, pasture 2% very poor, 8% poor, 27% fair, 49% good, 14% excellent. Transplanting of tobacco 92%, 79% 1999, 63% avg. First cutting alfalfa hay 93% complete, 99% 1999, 73% avg. Livestock in mostly good condition. Major activities: Harvesting wheat, replanting soybeans, cutting, baling hay, spraying, mowing roads, pastures, cleaning up, equipment repair, cultivating, scouting fields, hauling manure, feeding, caring for livestock.

**IOWA:** Days suitable for field work 2.7. Topsoil 5% very short, 14% short, 62% adequate, 19% surplus. Subsoil moisture 19% very short, 35% short, 38% adequate, 8% surplus. Rains drenched parts of state last week but in some areas were seen as only a short term rescue from effects of current dry weather. Reporters in north central, northeast state indicated some rivers, streams were overflowing; erosion was a common problem, especially in low lands. Central, east central sections of state also saw some flood damage. This in contrast to western third of state that would still like to see additional rainfall. Corn 50% cultivated, 30% 1999, 27% avg. Corn stand compared to normal 95%. Corn height: tallest 33 inches; average 24 inches. Corn 1% very poor, 5% poor, 21% fair, 51% good, 22% excellent. Soybeans 100% emerged, 94% 1999, 87% avg. Soybean 1% very poor, 5% poor, 27% fair, 52% good, 15% excellent. Oats 87% headed, 72% 1999, 35% avg.; 8% turning, 4% 1999,

4% avg. Oat 1% very poor, 6% poor, 23% fair, 57% good, 13% excellent. Winter wheat 8% harvested. Winter wheat 4% poor, 30% fair, 56% good, 10% excellent. Range, pasture feed 12% very poor, 24% poor, 31% fair, 27% good, 6% excellent. First cutting of 92% alfalfa, 70% 1999, 57% avg. First cutting of 65% clover hay, 39% 1999, 29% avg. Hay 5% very poor, 11% poor, 31% fair, 38% good, 15% excellent. Outside feedlots reported to be muddy in north central, northeast area; some ponds drying up in southeastern section of state requiring producers to run water lines for livestock.

**KANSAS:** Days suitable for fieldwork 5.0. Topsoil 15% very short, 35% short, 44% adequate, 6% surplus. Subsoil moisture 15% very short, 37% short, 48% adequate. Wheat harvest going full bore. Wheat 97% ripe, 44% 1999, 33% avg.; 45% harvested, 1% 1999, 7% avg.; 8% very poor, 20% poor, 37% fair, 33% good, 2% excellent. Corn 2% silked, 0% 1999, 0% avg.; 1% very poor, 6% poor, 33% fair, 52% good, 8% excellent. Sorghum 85% emerged, 65% 1999; 2% very poor, 5% poor, 30% fair, 59% good, 4% excellent. Soybeans 92% emerged, 65% 1999; 4% poor, 28% fair, 63% good, 5% excellent. Sunflowers 88% planted, 82% 1999; 64% emergence; 3% poor, 32% fair, 61% good, 4% excellent. 2<sup>nd</sup> cutting alfalfa 40%, 18% 1999, 15% avg. Range, Pasture feed 6% very poor, 15% poor, 34% fair, 40% good, 5% excellent.

**KENTUCKY:** Days suitable fieldwork 5.0. Topsoil 11% very short, 42% short, 44% adequate, 3% surplus. Subsoil moisture 14% very short, 42% short, 42% adequate, 2% surplus. One to three inches of much needed moisture received late in week, improving reported soil moisture and crop conditions. Temperatures above normal. Hot, muggy weather good for plant growth. Disease, insect problems minimal in most areas. Nearly all single crop soybeans planted. Double crop soybeans 33% planted, emerged soybeans average 6 inches high. Burley tobacco set 97%, 96%, 1999, 76% avg. Dark tobacco 97% set, 93% 1999, 82% avg. Set tobacco 1% very poor, 5% poor, 26% fair, 56% good, 12% excellent. About 5% of tobacco plants over 24 inches high, 21% between 12-24 inches and 74% under 12 inches high. Small grain harvest underway. Barley harvest 90% completed, Wheat harvest about 40% done. Yields, test weights variable. Some lodged wheat fields burned, hayed to allow planting of double crop soybeans. Pastures 3% very poor, 10% poor, 36% fair, 44% good, 7% excellent. Sorghum planting 78% complete.

**LOUISIANA:** Days suitable for fieldwork 5.0. Soil moisture 12% very short, 25% short, 55% adequate, 8% surplus. Corn 1% very poor, 3% poor, 22% fair, 69% good, 5% excellent; 90% silked, 81% 1999, 81% avg.; 55% dough stage, 22% 1999, 33% avg. Cotton 100% emerged, 100% 1999, 100% avg. Hay 86% first cutting, 87% 1999, 83% avg. Peaches 42% harvested, 47% 1999, 33% avg. Peach harvest was in full swing. Rice producers were applying fertilizer, herbicide. Soybeans 98% planted, 97% 1999, 93% avg. Sorghum 1% poor, 34% fair, 62% good, 3% excellent; 98% emerged, 99% 1999, 97% avg.; 22% headed, 9% 1999, 5% avg. Sugarcane 1% very poor, 12% poor, 32% fair, 46% good, 9% excellent. Sugarcane farmers were working fallow land. Sweetpotatoes 84% planted, 88% 1999, 71% avg. Sweet potato planting made good progress. Livestock 3% very poor, 8% poor, 32% fair, 43% good, 14% excellent. Vegetables 5% very poor, 12% poor, 35% fair, 38% good, 10% excellent.

**MARYLAND:** Days suitable for fieldwork 4.4. Topsoil 3% short, 92% adequate, 5% surplus. Subsoil moisture 1% very short, 6% short, 90% adequate, 5% surplus. Winter wheat 2% poor, 20% fair, 71% good, 7% excellent; 86% turned, 90% 1999, 72% avg. Barley 3% poor, 13% fair, 75% good, 9% excellent; 56% harvested, 61% 1999, 41% avg. Rye 1% poor, 9% fair, 79% good, 11% excellent; 89% turned, 90% 1999, 80% avg. Cucumbers 76% planted, 73% 1999, 87% avg.; 25% harvested, 13% 1999, 7% avg. Snap beans 88% planted, 81% 1999, 79% avg. Soybeans 66% planted, 64% 1999, 62% avg.; 54% emerged, 51% 1999, 21% avg. Sorghum 80% planted, 71% 1999, 70% avg. Watermelons 84% planted, 99% 1999, 98% avg. Potatoes 7% harvested, 4% 1999, 2% avg. Green peas 55% harvested, 45% 1999, 49% avg. Strawberries 94% harvested, 86% 1999, 77% avg. Pasture feed 1% very poor, 4% poor, 18% fair, 52% good, 25% excellent. Corn 1% very poor, 4% poor, 18% fair, 52% good, 25% excellent. Soybean 3% poor, 16% fair, 68% good, 13% excellent. Apple 20% fair, 66% good, 14% excellent. Peach 1% poor, 13% fair, 64% good, 22% excellent. Hay supplies 4% short, 89% adequate, 7% surplus. Percent of cutting hay crop harvest; 1<sup>st</sup> cutting clover, other hays 91% cut, 97% 1999, 81% avg; 2<sup>nd</sup> cutting 26% cut, 23% 1999, 10% avg.; 2<sup>nd</sup> cutting 27% cut, 35% 1999, 21% avg.

Activities: Rain past week has made hay, small grain harvest difficult, small grains also reported down from rain storms.

**MICHIGAN:** Days suitable for fieldwork 3.0. Topsoil 4% short, 62% adequate, 34% surplus; Subsoil 1% very short, 13% short, 60% adequate, 26% surplus. All Hay 3% very poor, 10% poor, 23% fair, 53% good, 11% excellent. Oats 4% poor, 23% fair, 65% good, 8% excellent. All Hay 1<sup>st</sup> cutting 37%, 71% 1999, 55% avg. Corn 93% emerged, 97% 1999, 94% avg. Corn Height 8 inches. Dry beans 49% planted, 78% 1999, 68% avg. Dry beans 28% emerged. Oats 37% headed, 56% 1999, 23% avg. Potatoes 89% emerged, 97% 1999, 89% avg. Soybeans 81% planted, 98% 1999, 93% avg. Winter Wheat 95% headed, 99% 1999, 82% avg. Wet weather plagued southern state, while drier than normal conditions in northern Lower, Upper Peninsulas. Some areas of southern state have had double their average amount of rainfall since April 1. Many fields holding ponded water low areas. Growing degree days (GDD) remained above average across State, with exception being East Central Lower Peninsula which continued slightly below normal. Some corn fields had to be replanted due to wet fields. Corn color light green, yellow. Soybean growth slow but reports showed that soybean planting moved ahead rapidly during week. Winter wheat crop progressed well. Wheat fields had some lodging due to recent storms, some scab reported. First cutting of alfalfa well underway, but concern about alfalfa weevil, leafhopper numbers present uncut fields. Recent rains have halted cutting of alfalfa. Sugarbeet stands looking good overall. Asparagus harvest completed. Cabbage harvest began, growers continued to plant for late summer harvest. Potatoes doing well with most of planting completed, early potatoes full bloom. Sweet corn responded well to recent warm temperatures, adequate moisture. Tomato transplanting completed. Pepper transplanting completed Oceana County but plants suffering due to cooler temperatures. Monroe County, early planted peppers showing new growth due to warmer temperatures. Summer squash harvest began Monroe County, Southwest while a few winter squash fields have emerged Oceana County. Early planted snap beans have emerged. Onions at fifth leaf stage Grand Rapids area. Celery growing well, transplanting continued on schedule. Carrots progressing well with some replanting done due to poor stands. Cucumber planting continued and early fields have emerged. Early planted peas close to harvest. Apples ranged from 1.0 to 1.25 inches diameter. Fire blight a problem some areas. Southwest, tart cherries reached straw-colored fruit stage while sweet cherries reached colored fruit stage. Cherry leaf spot a problem Northwest. Plum trees had 18-24 mm fruit while peach trees had 1.25 to 1.5 inch fruit. Blueberries late green fruit stage. Strawberry harvest underway southern, central counties. Fall raspberry canes were showing flower buds while summer raspberry canes had green fruit. Concord grapes had buckshot berries.

**MINNESOTA:** Days suitable for fieldwork 2.9. Topsoil 0% very short, 7% short, 75% adequate, 18% surplus. Spring Wheat 82% jointed, 60% 1999, 50% avg. Oats 81% jointed, 77% 1999, 66% avg. Barley 81% jointed, 51% 1999, 45% avg. Corn 50% cultivated, 42% 1999, 45% avg.; 17 in. height, 14 in. 1999, 13 in. avg. Soybeans 25% cultivated, 16% 1999, 19% avg.; 5 in. height, 3 in. 1999, 4 in. avg. Sweet corn 92% planted, 92% 1999, 91% avg. Alfalfa 83% 1<sup>st</sup> cutting, 82% 1999, 70% avg. Pasture feed 1% very poor, 3% poor, 25% fair, 60% good, 11% excellent. Rain slowed fieldwork including spraying, cultivating. Rain helped soil moisture conditions in many areas of the state, but low lying areas were ponding. The northwestern portion of the state went from short, very short topsoil moisture to adequate, surplus topsoil moisture. Weed control is becoming a problem in many areas where rain made it difficult to impossible to access fields. Lower temperatures, cloudy conditions slowed crop growth and progress. South Central, Southeastern Districts are starting to experience insect problems.

**MISSISSIPPI:** Days suitable for fieldwork 5.5. Soil moisture, 16% very short, 31% short, 47% adequate, 6% surplus. Corn 69% silking, 62% 1999, 49% avg.; 23% dough, 21% 1999, 13% avg.; 2% very poor, 8% poor, 29% fair, 50% good, 11% excellent. Cotton 67% squaring, 65% 1999, 60% avg.; 5% setting bolls, 2% 1999, 4% avg.; 2% very poor, 4% poor, 23% fair, 57% good, 14% excellent. Rice 0% headed, 2% 1999, 1% avg.; 4% poor, 20% fair, 60% good, 16% excellent. Soybean 96% emerged, 93% 1999, 86% avg.; 30% blooming, 26% 1999, 15% avg.; 1% very poor, 6% poor, 26% fair, 53% good, 14% excellent. Wheat 100% mature, 100% 1999, 94% avg.; 97% harvested, 91% 1999, 74% avg. Sweetpotatoes 85% planted, 72% 1999, 57% avg.; 4% poor, 60% fair, 28% good, 8% excellent. Watermelons 95% planted, 96% 1999, 96%

avg.; 1% very poor, 3% poor, 69% fair, 25% good, 2% excellent. Hay (Warm Season) 34% harvested, 37% 1999, 34% avg.; 8% very poor, 15% poor, 45% fair, 27% good, 5% excellent. Blueberries 1% very poor, 3% poor, 60% fair, 30% good, 6% excellent. Cattle 3% very poor, 11% poor, 32% fair, 45% good, 9% excellent. Pasture 15% very poor, 18% poor, 38% fair, 25% good, 4% excellent. Some parts of the state got some needed rain. Spring row crops planting is complete in most parts of the state.

**MISSOURI:** Days suitable for fieldwork 3.2. Topsoil 9 % very short, 25 % short, 56 % adequate, 10 % surplus. Subsoil moisture 29 % very short, 40 % short, 30 % adequate, 1 % surplus. Temperatures during the past week ranged from 1° below normal to 3° above normal. The weekly precipitation averaged 2.57 inches, ranging from 1.52 inches in the northwest to 3.96 inches in the south-central district. The recent rains brought major improvements in row crop conditions across the state. Wheat harvest is over 80 % complete in the Bootheel, compared with just getting started in the extreme northern counties. Double-crop soybeans 42 % planted, compared to 15 % 1999, 8 % normal. Second crop alfalfa hay were 28 % cut, compared with 14 % in 1999, 6 % average. Other hay cut were 72 % complete, 57 % in 1999, 46 % avg. Pasture feeds 18 % very poor, 30 % poor, 37 % fair, 14 % good, 1 % excellent.

**MONTANA:** Days suitable for fieldwork 3.7. Topsoil 9% very short, 40% short, 50% adequate, 1% surplus. Subsoil moisture 22% very short, 44% short, 34% adequate, 0% surplus. Oats 31% in boot, 19% 1999, 22% avg.; 11% headed, 3% 1999, 3% avg.; 2% very poor, 10% poor, 39% fair, 43% good, 6% excellent. Corn 0% very poor, 5% poor, 40% fair, 40% good, 15% excellent. Dry beans 0% very poor, 0% poor, 61% fair, 26% good, 13% excellent. Potatoes 77% emerged, 47% 1999, 59% avg.; 0% very poor, 0% poor, 27% fair, 43% good, 30% excellent. Sugar beets 0% very poor, 12% poor, 26% fair, 46% good, 16% excellent. Barley 54% in boot, 19% 1999, 23% avg. Spring wheat 33% in boot, 16% 1999, 24% avg. Winter wheat 95% in boot, 75% 1999, 82% avg.; 86% headed, 39% 1999, 43% avg.; 6% turning, 0% 1999, 0% avg. Alfalfa hay 1st 25% cutting, 8% 1999, 7% avg. Other hay 1st 8% cutting, 5% 1999, 3% avg. Producers welcomed rains this week, but the moisture may be too late to save this year's winter wheat, hay crops. Central State counties are suffering as spring crops are showing extreme water stress, hay grounds are being grazed off. Alfalfa weevils, lack of irrigation water have caused some producers to accelerate their 1st cutting of alfalfa hay. Cattle, calves moved to summer 98% ranges, 94% 1999, 95% avg. Sheep, lambs moved to 91% summer ranges, 88% 1999, 93% avg. Livestock water supplies are critically short in many areas east of the Continental Divide. Reports indicate that cattle are being sold out of Central State to other areas around the state, out-of-state because of a lack of water, feed.

**NEBRASKA:** Days suitable for fieldwork 6.2. Topsoil, Subsoil moisture supplies were rated mostly short to very short. Temperatures for the week averaged 1 to 3 ° below normals. Precipitation occurred across most areas ranged from traces to 2.0 inches. Corn 7% very poor, 13% poor, 27% fair, 41% good, 12% excellent. Soybeans 7% very poor, 19% poor, 31% fair, 35% good, 8% excellent. Sorghum 9% very poor, 18% poor, 46% fair, 20% good, 7% excellent. Winter Wheat 24% very poor, 31% poor, 29% fair, 16% good; 74% turning color, 32% 1999, 27% avg.; 40% ripe, 1% 1999, 0% avg.; 4% harvested. Oats 19% very poor, 28% poor, 31% fair, 21% good, 1% excellent; headed 84%, 61% 1999, 48% avg. Dry beans 97% planted, 91% 1999, 82% avg.; 65% emerged, 74% 1999, 52% avg. Alfalfa 1<sup>st</sup> cutting 95% harvested, 86% 1999, 70% avg; 2<sup>nd</sup> cutting started; 22% very poor, 21% poor, 29% fair, 27% good, 1% excellent; Alfalfa 2nd cutting prospects poor due to dry conditions. Wild hay 14% very poor, 31% poor, 34% fair, 19% good, 2% excellent. Pasture, range 29% very poor, 29% poor, 32% fair, 10% good. Other producer activities included: Irrigating, weed control, harvesting hay, wheat.

**NEVADA:** Dry conditions continued to visit the state this week. Temperatures were slightly above normal at the beginning of the week, warmed up considerably mid week, then cooled off at week's end. There was little precipitation reported across northern area with Reno reporting 0.02 inch, Elko a trace, and Ely 0.14 inch. Southern State reported no precipitation. Irrigation water supplies short to adequate with irrigation needs increasing. Stream, creek levels remain low. Crop condition ratings fair to excellent. Spring grains showing growth with heading beginning. Alfalfa hay 1st cutting mostly complete in the North with

preparations being made for 2nd cutting. Second cutting was underway in the South. Other hay harvest continued. Bee huts were being set up, bees put out in alfalfa seed fields. Onions, garlic growing well. Potatoes emerging. Weed, insect control very active. Grasshoppers, crickets were reported in Lincoln County. Pasture, range conditions rated mostly fair to good with rain desired in most areas. Livestock movement to summer pastures near completion. Main farm, ranch activities: Alfalfa, other hay harvest, green chop of small grains, irrigation, weed, insect control, putting bees out, working livestock, gopher control.

**NEW ENGLAND:** Days suitable for fieldwork: 4.7. Topsoil 60% adequate, 40% surplus. Subsoil moisture 2% short, 62% adequate, 36% surplus. Pasture feed 3% fair, 59% good, 38% excellent. Maine potatoes 100% planted, 100% 1999, 100% avg.; 75% emerged, 95% 1999, 65% avg.; condition good to fair. Rhode Island potatoes 100% planted, 100% 1999, 100% avg.; 100% emerged, 100% 1999, 95% avg.; condition good to excellent. Massachusetts potatoes 100% planted, 100% 1999, 100% avg.; 100% emerged, 100% 1999, 100% avg.; condition good to fair. Oats in Maine 100% planted, 100% 1999, 100% avg.; 95% emerged, 100% 1999, 95% avg.; condition good to fair. Barley in Maine 100% planted, 100% 1999, 100% avg.; 95% emerged, 100% 1999, 95% avg.; condition good to fair. Silage corn 75% planted, 100% 1999, 95% avg.; 55% emerged, 95% 1999, 85% avg.; condition good. Sweet corn 75% planted, 95% 1999, 90% avg.; 60% emerged, 85% 1999, 80% avg.; condition good to fair. Shade tobacco 100% planted, 100% 1999, 100% avg.; condition good. Broadleaf tobacco 70% planted, 85% 1999, 75% avg.; condition good to fair. First crop hay 35% harvested, 70% 1999, 50% avg.; condition good. Apples Petal Fall Stage, fruit set avg to below avg, fruit size avg, condition fair to good. Peaches Petal Fall Stage, fruit set avg, fruit size avg to above avg, condition fair to good. Pears Petal Fall Stage, fruit set below avg to avg, fruit size avg, condition fair to good. Strawberries Petal Fall Stage, fruit set avg to below avg, fruit size avg to below avg, condition fair to good; 15% harvested, 35% 1999, 20% avg. Cranberries Bud Stage to Early Bloom Stage, condition good to fair. Highbush blueberries Petal Fall Stage, fruit set avg, fruit size avg, condition good to excellent. Wild Blueberries in Maine Full Bloom Stage to Petal Fall Stage, fruit set avg, fruit size avg, condition fair to good. Heavy rain continued to slow fieldwork, crop growth. Major farm activities: Cutting lettuce, greens, picking greenhouse tomatoes, strawberries, transplanting peppers, tomatoes, eggplant, broadleaf tobacco, planting, replanting corn, applying herbicides, cultivating potatoes, picking up rocks in fields, harvesting hay, radishes, rhubarb, peas, testing soils for nitrate.

**NEW JERSEY:** Days suitable for field work 3.4. Topsoil 81% adequate, 19% surplus. Corn 96% planted, Corn 12% fair, 59% good, 29% excellent. Soybeans 79% planted. Wet weather conditions delayed hay harvest in some areas. Hay fields ready for first cuttings were behind schedule. Wet pastures caused hoof problems for cattle in some localities. Bluegrass pastures showed good forage growth. Small grain harvest continued where conditions allowed. Sweet corn crop 9% fair, 67% good, 24% excellent. Some sweet corn fields continued to suffer from cool weather. Wet weather provided favorable conditions for disease on peach crop. Some late unpicked strawberries were rotting due to wet weather as harvest was winding down. Cranberries were in full bloom in most areas. Vegetable harvest of peas, cabbage, lettuce, herbs continued where field conditions allowed. A few tomato fields were replanted.

**NEW MEXICO:** Days suitable for field work 6.4. Topsoil 50% very short, 28% short, 21% adequate, 1% surplus. The week began hot, dry for most of the state, but a cold front pushed south, west through the state late in the week, lowering temperatures, bringing an increase in thunderstorm activity. Before the front arrived, the mercury hit 100° at a number of lower elevation locations in the south. The most widespread, significant rains were in the southeast. The state received more moisture to help aid in the overwhelmingly dry conditions. Harvesting, irrigating, cultivating are the main farm activities during the week. Onions were fair to excellent with over a third of the crop harvested. The chile condition declined slightly over the week. The irrigated wheat crop is in mostly fair to good condition with total wheat 75% harvested. Alfalfa was in poor to good condition, the 2<sup>nd</sup> cutting was three quarters of the way complete. Corn 50% fair, 40% good, 10% excellent. Cotton was in fair to excellent condition with 35% squaring. Ranchers were still busy branding calves, hauling water along with supplemental feeds to maintain the herds. Cattle conditions varied from very poor to good across the state. Sheep 16%

very poor, 30% poor, 35% fair, 19% good. Pasture, range feed 30% very poor, 30% poor, 25% fair, 15% good.

**NEW YORK:** Days suitable 2.3. Soil moisture 6% adequate, 94% surplus. Pasture feed 5% fair, 52% good, 43% excellent. Oat 31% fair, 63% good, 6% excellent. Planting virtually complete. Corn 79% planted, 99% 1999, 95% avg. Wetness delayed or prevented planting. Hay 20% poor, 15% fair, 50% good, 15% excellent. Alfalfa 1st cutting 33% complete, 78% 1999, 66% avg. Very little progress made during the week due to frequent rains. Wheat 7% fair, 80% good, 13% excellent. Grapes in Lake Erie region in good condition. Concord grapes in this region bloomed early in week. Grapes in Finger Lakes region in excellent condition. Apples in Hudson Valley have widespread hail damage, fruit in poor condition. Elsewhere apples were in good condition. Fruit growers battling wetness, taking preventative measures against fungus development. Coolness slowed vegetable development. Warmer, drier weather needed.

**NORTH CAROLINA:** Days suitable for field work 6.0 compared to 5.3 the previous week. Hot weather dominated the week in the state. Most of the Mountain, Piedmont regions received rainfall, however a Statewide soaking rain would be welcomed. Even with significant portions of the State getting precipitation, The hot weather caused moisture levels to slip to their current rating of 12% very short, 33% short, 52% adequate, 3% surplus. Major gains were made in all the small grain harvests as farmers are pushing to get their double cropped soybeans planted before month's end. Dry weather allowed for significant progress in Irish potato harvesting, sweetpotato transplanting. Other activities included: Sorghum planting, burley tobacco setting, continued hay cutting, pest management for all crops. Crop conditions remain mostly good even though blue mold in tobacco, thrips in corn, cotton are being reported.

**NORTH DAKOTA:** Days suitable for field work 2. Topsoil 0% very short, 5% short, 76% adequate, 19% surplus. Subsoil moisture 2% very short, 9% short, 79% adequate, 10% surplus. Widespread rains fell across most of the state, with heavy downpours in the NE causing flooding in those counties. Durum wheat 99% emerged, 82% 1999, 90% avg.; 40% jointing, beyond, 14% 1999, 16% avg.; 15% boot, beyond, 1% 1999, 3% avg.; 2% heading, beyond, 0% 1999, 1% avg. Canola 79% rosette, 46% 1999. Dry edible beans 97% emerged, 82% 1999, 88% avg. Potatoes 95% emerged, 69% 1999, 82% avg. Soybeans 99% emerged, 82% 1999, 91% avg. Sunflowers 89% emerged, 65% 1999, 79% avg. Emerged crop Durum wheat 1% very poor, 4% poor, 18% fair, 63% good, 14% excellent. Canola 2% very poor, 5% poor, 16% fair, 59% good, 18% excellent. Dry edible beans 12% very poor, 11% poor, 19% fair, 52% good, 6% excellent. Flaxseed 2% very poor, 4% poor, 16% fair, 63% good, 15% excellent. Potatoes 14% very poor, 17% poor, 26% fair, 37% good, 6% excellent. Soybeans 2% very poor, 5% poor, 17% fair, 62% good, 14% excellent. Sugarbeets 9% very poor, 15% poor, 24% fair, 43% good, 9% excellent. Sunflower 1% very poor, 4% poor, 15% fair, 67% good, 13% excellent. Broad leaf, wild oat 76% spraying, 88% complete respectively. Pasture, range 1% very poor, 8% poor, 23% fair, 57% good and 11% excellent. Stockwater supplies 1% very short, 5% short, 88% adequate, 6% surplus. Hay 89% of normal. Alfalfa 1<sup>st</sup> cutting was 23% complete.

**OHIO:** Days suitable for fieldwork 3.7 days. Topsoil 1% very short, 6% short, 61% adequate, 32% surplus. Alfalfa hay 1st 86% cutting; 98% 1999; 70% avg. Alfalfa hay 2nd 3% cutting; 13% 1999; 4% avg. Cucumbers 75% planted; 85% 1999. Oats 66% headed; 82% 1999; 46% avg. Other hay 1st cutting 74%; 89% 1999; 56% avg. Other hay 2nd 2% cutting; 7% 1999; 2% avg. Processing tomatoes 92% planted; 100% 1999; 96% avg. Soybeans 93% planted; 100% 1999; 88% avg.; 86% emerged; 100% 1999; 74% avg.. Strawberries 75% harvested; 85% 1999; 50% avg. Tobacco 92% transplanted; 95% 1999. Winter wheat 80% turning; 88% 1999; 43% avg.; 2% ripe; 5% 1999; 3% avg. Corn 1% very poor, 3% poor, 19% fair, 54% good, 23% excellent. Hay 5% very poor, 7% poor, 25% fair, 51% good, 12% excellent. Oats 0% very poor; 9% poor; 20% fair; 61% good; 10% excellent. Pasture 1% very poor, 4% poor, 24% fair, 57% good, 14% excellent. Soybeans 2% very poor, 10% poor, 28% fair, 49% good, 11% excellent. Winter wheat 0% very poor, 1% poor, 15% fair, 57% good, 27% excellent. Activities for the week included: Replanting corn, soybeans; side dressing crops; spraying weeds; applying fertilizer; making hay; chopping silage; certifying crops; repairing equipment, buildings; mowing waterways, farm lots; hauling grain; spreading manure; spraying orchards; scouting fields for insects, disease; preparing for wheat harvest. Reported weed pressures included Canadian

thistle, ragweed, foxtail, lambs quarter, hemp dogbane, johnson rass. Reported insects were black cutworms, European corn borer in corn, bean leaf beetles, slugs, spittle bugs, wireworms, seed corn maggots, spider mites, gypsy moths, tent caterpillars, aphids in wheat, alfalfa weevil, potato leaf hoppers. Reported diseases were rhizotonia, other root diseases in soybeans; rust, powdery mildew, head scab, glume blotch in wheat; Stewart's wilt in sweet corn, spring black stem in alfalfa. Fruit, vegetable crops were reported in good condition throughout the state. In the northeast, producers are harvesting peas, green onions, radishes, leaf lettuce. Cabbage, squash, broccoli are being harvested in the South Central district. In the Southeast district, sweet corn, tomatoes are nearing harvest, pumpkin planting is in full swing. Irrigation is being used by some growers in southern state, where soil moisture is reportedly depleting fast due to inconsistent rainfall. The condition of the winter wheat crop was rated 84% good to excellent. Heavy storms in the West Central, Central districts knocked some wheat down, but the extent of the damage was not yet reported. Livestock were reported in fair to good condition. Heat, humidity, face flies contributed to livestock stress throughout the state.

**OKLAHOMA:** Days suitable for fieldwork 3.9. Topsoil 2% very short, 15% short, 71% adequate, 12% surplus. Subsoil moisture 5% very short, 21% short, 72% adequate, 2% surplus. Wheat 39% plowed, 19% last week, n/a 1999, n/a avg. Oats 1% very poor, 5% poor, 45% fair, 46% good, 3% excellent, 100% soft dough, 95% last week, 97% 1999, 92% avg; 63% harvested, 40% last week, 34% 1999, 35% avg; 19% plowed, 12% last week, n/a 1999, n/a avg; Corn 1% poor, 7% fair, 81% good, 11% excellent, 12% silking, 8% last week, 9% 1999, 9% avg. Sorghum 15% poor, 23% fair, 59% good, 3% excellent, 53% emerged, 49% last week, 31% 1999, 39% avg. Soybeans 3% poor, 18% fair, 73% good, 6% excellent, 84% planted, 78% last week, 55% 1999, 67% avg.; 74% emerged, 66% last week, 38% 1999, 49% avg. Peanuts 94% emerged, 91% last week, 91% 1999, 80% avg. Cotton 93% planted, 89% last week, 99% 1999, 92% avg.; 85% emerged, 80% last week, 80% 1999, 75% avg. Alfalfa Hay 1% very poor, 6% poor, 27% fair, 57% good, 9% excellent, 62% 2nd cutting, 43% last week, 46% 1999, 44% avg. Other Hay 3% poor, 32% fair, 55% good, 10% excellent; 72% 1st cutting, 71% last week, 59% 1999, 57% avg.; 4% 2<sup>nd</sup> cutting, 2% last week, 5% 1999, 2% avg. Watermelons 90% running, 71% last week, 67% 1999, 70% avg.; 23% setting fruit, 8% last week, 36% 1999, 28% avg. Livestock 1% very poor, 1% poor, 21% fair, 65% good, 12% excellent; Cattle marketings slightly below average. Feeder cattle prices are \$1.00 to \$2.00 per cwt. higher than last week.

**OREGON:** Days suitable for fieldwork 7. Topsoil 3% very short, 24% short, 70% adequate, 3% surplus. Subsoil 3% very short, 22% short, 73% adequate, 2% surplus. Barley 54% headed, 28% fair, 39% good, 33% excellent. Winter wheat 98% headed, 85% 1999, 94% 5 year avg, 18% fair, 52% good, 30% excellent. Range, pasture 10% fair, 81% good, 9% excellent. Activities: In Eastern State winter wheat, barley headed, in mostly good condition. More rain is needed for grain corps. There some rain last week that appreciated by grain growers but not hay growers. In Mid-Columbia basin winds may have dried out any benefits of rain. Wheat is burning up in shallower soils of south end of Sherman, Wasco counties. Haying continued through out state. Some areas on their 2nd cuttings. In Willamette Valley, hops climbing, peppermint looks good, sugarbeets for seed starting to head, form seeds. Grass seed growers putting on a 2nd spray for rust. Nurseries, greenhouses are into summer activities of irrigation, cleanup. Easter lily bud picking very active, some aphid infestations reported. Christmas tree work is about completed, new growth on trees looks excellent. In eastern areas of State, Klamath, Lake County growers still busy planting potatoes. Onion harvest had started in Umatilla County, reported mostly finished in Malheur County. Western State truck gardeners very busy getting in last summer crops. Vegetables starting to look better with warmer weather in Klamath Basin; lots of irrigation going on. In Willamette Valley, vegetables on schedule with sweet corn ready for first irrigation. Hot weather damaged some of greenhouse grown crops in mid-valley area. Some cherry splitting due to recent rainfall occurred in Willamette Valley, in earliest orchards in Wasco, Hood River counties. Most cherries in Columbia Basin still too green to be injured. Cherry harvest started west of Cascades, in Jackson, Umatilla counties. Strawberry harvest peaked in Willamette Valley, with much rot reported due to last week's rain. Other berry crops, hazelnuts continued to develop nicely. Grapes still blooming in Josephine, Jackson counties. Pears received second cover spray, all tree fruits looked good. Cranberry bloom continued in Coos, Curry counties with good conditions for pollination, berry set. Livestock

condition mostly good to excellent. Cattle being moved to higher ranges in Jackson county. Pasture to pasture movement nearly complete in Klamath county. Range, pasture feed mostly good to excellent. Rains have extended grazing season in most parts of state.

**PENNSYLVANIA:** Days suitable for field work 2.0. Soil moisture 4% short, 62% adequate, 34% surplus. Corn 93% emerged, 96% 1999, avg not available. Corn height 13 in., 13 in. 1999, 10 in. avg. Soybeans 86% planted, 93% 1999, 86% avg.; 83% emerged, 84% 1999, avg not available. Oats heading 49% headed, 58% 1999, 40% avg. Tobacco 90% transplanted, 98% 1999, 82% avg. Barley 86% turning yellow, 91% 1999, 83% avg.; 61% turning ripe, 54% 1999, 36% avg.; 33% harvested, 21% 1999, 13% avg. Wheat 58% turning yellow, 43% 1999, 38% avg.; 2% poor, 20% fair, 70% good, 8% excellent. Oat crop 3% poor, 18% fair, 68% good, 11% excellent. Alfalfa 1st 72% cutting, 88% 1999, 72% avg. Alfalfa 9% 2nd cutting, 13% 1999, 6% avg. Timothy clover 37% 1st cutting, 64% 1999, 43% avg. Quality of hay made 6% very poor, 10% poor, 36% fair, 40% good, 8% excellent. Activities include: Planting corn, soybeans, vegetables; barley harvesting; fixing fences; machinery maintenance; spreading lime, fertilizers; hauling manure; caring for livestock; cutting hay; transplanting tobacco; making hay, haylage; applying pesticides.

**SOUTH CAROLINA:** Days suitable for field work 6.2. Soil moisture 35% very short, 36% short, 29% adequate. Apples 4% poor, 88% fair, 8% good. Barley 99% harvested, 89% 1999, 76% avg. Cantaloups 20% harvested, 11% 1999, 19% avg.; 8% poor, 57% fair, 35% good. Corn 60% tasseled, 51% 1999, 56% avg.; 9% doughed, NA 1999, NA avg.; 23% very poor, 29% poor, 23% fair, 25% good. Cotton 98% planted, 100% 1999, 100% avg.; 25% squared, 23% 1999, 24% avg.; 5% bolls set, NA 1999, NA avg.; 4% very poor, 16% poor 37% fair, 41% good, 2% excellent. Cucumbers 79% harvested, 57% 1999, 46% avg.; 4% poor, 54% fair, 42% good. Grain Hay 100% harvested, 100% 1999, 97% avg. Oats 100% ripe, 97% 1999, 96% avg.; 96% harvested, 88% 1999, 81% avg. Peaches 29% harvested, 20% 1999, 20% avg.; 5% very poor, 12% poor, 15% fair, 53% good, 15% excellent. Peanuts 99% planted, 100% 1999, 88% avg.; 10% pegged, 8% 1999, NA avg.; 3% very poor, 19% poor, 59% fair, 19% good. Rye 90% harvested, 84% 1999, 75% avg.; 4% poor, 33% fair, 62% good, 1% excellent. Snap beans 67% harvested, 42% 1999, 34% avg.; 10% poor, 20% fair, 70% good. Sorghum 94% planted, 85% 1999, 73% avg.; 35% headed, NA 1999, NA avg.; 6% poor, 15% fair, 79% good. Soybeans 82% planted, 73% 1999, 71% avg.; 67% emerged, 60% 1999, NA avg.; 2% bloomed, NA 1999, NA avg.; 6% very poor, 14% poor, 30% fair, 49% good, 1% excellent. Sweetpotatoes 90% planted, 83% 1999, 85% avg.; 5% poor, 49% fair, 46% good. Tobacco 27% topped, 16% 1999, 18% avg.; 6% poor, 24% fair, 68% good, 2% excellent. Tomatoes 36% harvested, 15% 1999, 24% avg.; 6% very poor, 6% poor, 5% fair, 83% good. Watermelons 15% harvested, 8% 1999, 12% avg.; 5% very poor, 17% poor, 36% fair, 42% good. Winter wheat 92% harvested; 88% 1999, 66% avg.; 3% poor, 16% fair, 71% good, 10% excellent.

**SOUTH DAKOTA:** Days suitable for field work 4.2. Topsoil 2% very short, 15% short, 79% adequate, 4% surplus. Subsoil moisture 6% very short, 18% short, 73% adequate, 3% surplus. Feed supplies 5% short, 87% adequate, 8% surplus. Stock water supplies 4% very short, 10% short, 81% adequate, 5% surplus. Winter Rye 2% poor, 11% fair, 68% good, 19% excellent. Winter Rye 100% boot, 96% 1999, 96% avg.; 98% headed, 80% 1999, 76% avg.; 17% turning color, 6% 1999, 8% avg. Winter Wheat 99% boot, 98% 1999, 90% avg.; 20% turning color, 4% 1999, 5% avg. Spring Wheat 87% boot, 66% 1999, 43% avg. Barley 83% boot, 54% 1999, 37% avg. Oats 78% boot, 56% 1999, 39% avg.; 3% turning color, 4% 1999, 1% avg. Corn height 15 in., 9 in. 1999, 8 in. avg. Corn cultivated once 54%, 25% 1999, 21% avg. Alfalfa hay 2% very poor, 12% poor, 26% fair, 50% good, 10% excellent; 1st cutting 71% harvested, 48% 1999, 37% avg.; 2nd cutting 1% harvested, 0% 1999, 0% avg. Other hay 21% harvested, 14% 1999, 8% avg. Range, Pasture 1% very poor, 7% poor, 20% fair, 57% good, 15% excellent. Cattle 5% fair, 68% good, 27% excellent. Sheep 3% fair, 69% good, 28% excellent. Crop development continued despite cool temperatures during the week. Crop, livestock remain mostly in fair to excellent condition. Spraying weeds, 1st cutting of alfalfa are still the main activities of most farmers. The cool temperatures helped hold in soil moisture as most areas received small amounts of precipitation.

**TENNESSEE:** Days suitable for fieldwork 5. Topsoil 9% very short, 27% short, 58% adequate, 6% surplus. Subsoil moisture 9% very short, 36% short, 54% adequate, 1% surplus. Tobacco 95% transplanted, 95% 1999, 82% avg.; 3% poor, 25% fair, 60% good, 12% excellent. Wheat 99% ripe, 97% 1999, 85% avg.; 67% harvested, 63% 1999, 40% avg. Pastures 3% very poor, 8% poor, 35% fair, 45% good, 9% excellent. Rain showers moved into the State during the latter part of last week and were a welcome sight for farmers. The moisture brought relief to all crops, pastures, as they were beginning to show stress. The rain was especially beneficial to the State's corn crop which is now entering the pollination stage. Before the showers moved in last week, producers made excellent progress with wheat harvest, soybean planting, tobacco transplanting. Many producers report that the crop is better than expected, all are anxious to get back into their fields, resume harvest. After harvest, producers will turn their attention to planting double crop soybeans. The tobacco crop is currently rated in mostly good-to-fair condition with black shank, tomato spotted wilt virus reported in some locations.

**TEXAS:** Rains continued to improve crop, pasture feeds across most areas of the state. Some areas maintained high soil moisture levels as cooler temperatures slowed evaporation. Crops, pastures continued to be stressed in a few areas due to a lack of rainfall. Planting, harvesting activities remained on hold in some areas as producers waited on fields to dry out, while in other areas producers were able to resume field activities. Planting continued in areas where soil moisture levels were favorable. Haying continued where possible. Rains continued to improve the outlook for 2nd cuttings of hay, with producers in some areas already harvesting a second cutting. High winds and hail damaged crops in some areas of the Plains. In the Rio Grand valley, Winter garden areas vegetables continued to make good progress. Harvesting in some locations was delayed due to wet field conditions. Field Crops: Small Grains: Rains continued to delayed the combining of remaining wheat, oats in some areas of the state. Dry conditions produced below average yields in many locations, but in some locations yields were more favorable. Statewide wheat 46% of normal compared with 75% 1999. Wheat harvested published 61%, 40% 1999, 48% avg. Corn: Corn continued to progress well in most areas. Rain continued to improve the condition of dryland corn. Spraying for root worms continued in portions of the Plains. High winds, hail continued to damage fields in some areas. Statewide corn 88% of normal compared with 84% 1999. Silked 55% published, 54% 1999, 49% avg. Dough 43% published, 1999 40%, average 28%. Dented published 22%, 199 16%, average 7%. Cotton: Cotton planting continued across the plains. Heavy rainfall, wind, hail caused damage in some areas. Thrips, grasshoppers continued to cause damage to young plants. Some producers reported boll weevil pressure to cotton fields. Statewide cotton 68% of normal compared with 63% 1999. Planted published 95%, 1999 96%, average 92%. Squaring published 23%, 1999 20%, average 23%. Setting Bolls published 11%, 1999 8%, average 10%. Bolls Opening published 2%, 1999 1%, average 1%. Rice: Flooding of fields continued. Producers continued to apply nitrogen in some locations. Army worms continue to be a problem, disease problems began to show up in some fields. State wide rice 95% of normal compared with 94% 1999. Headed published 33%. 1999 23%, average 9%. Sorghum: Producers continued to plant across the Plains. In southern areas of the state harvesting continued to expand. Midge problems were reported in some areas. Irrigated acres continued to make good progress in all areas, while rains continue to improve dryland sorghum. Statewide sorghum 81% of normal compared with 82% 1999. Planted published 89%, 1999 77%, average 86%. Headed published 41%, 1999 38%, average 43%. Turning Color published 30%, 1999 24%, average 22%. Mature published 14%, 1999 11%, average 7%. Harvested published 8%, 1999 6%, 2% avg. Peanuts continued to progress well across the Plains, while land preparation and planting continued in southern, central areas. There were reports of grasshopper problems in some areas. Statewide peanut 84% of normal compared with 81% 1999. Planted published 96%, 1999 91%, avg 79%. Pegging published 9%, 1999 2%, avg NA. Soybeans: Planting of soybeans continued where possible. Plants continued to progress well in eastern, central areas as soil moisture levels remained favorable. Army worm problems continued in some locations. Planting continued and crop progression was good across the Plains. Commercial Vegetables, Fruit, Pecans In the Rio Grande Valley, watermelon, cantaloup harvest continued. Harvest remained active for greens, carrots, beans, peas, potatoes, tomatoes. Rains around the area improved soil moisture levels. In the San Antonio-Winter Garden, harvest of watermelons, cantaloupes, carrots, onions continued, while green beans, peas continued to progress. Reports of insect pressure on peas caused concern in some locations. Chili peppers



continued to make good progress. Rain in some locations continued to relieve stressful conditions in non-irrigated fields. In East State, planting neared completion for peas, cucumbers, peppers, sweet potatoes and egg plants. Harvest neared completion for onions, cauliflower, but was interrupted due to wet conditions. Disease, insect problems continued. In the High Plains, carrots, onions continued to progress well, but high winds, hail remained a threat for young plants. Peaches: Producers continued spraying to control insect pests. Harvest of early varieties neared completion in southern areas but continued in eastern areas. Pecans: A light crop was being reported in some areas, however nutlet development continued. Producers in the lower Plains continued spraying for case bearers, while producers in southern areas began spraying for second generation case bearers. Range, Livestock: Moisture, cooler temperatures continued to aid pasture recovery across the state as most areas received rain showers. Some locations, however still remain dry. Cattle movement and supplemental feeding continued in drier locations. Grasshopper populations continued to increase, affect pasture growth in some locations. Army worms also continued to affect pasture feeds.

**UTAH:** Days suitable for field work 7. Topsoil 21% very short, 33% short, 46%. Subsoil moisture 17% very short, 34% short, 49% adequate. Pasture, range feed 5% very poor, 23% poor, 32% fair, 39% good. Alfalfa hay 81% 1st cutting, 67% 1999, 57% avg.; 2nd 3% cutting. Other hay 23% cut, 22% 1999, 14% avg. Corn height 12 inches, 8 inches 1999, 8 inches avg. Winter wheat 71% headed, 69% 1999, 76% avg. Oats 26% headed, 26% 1999, 9% avg. Barley 54% headed, 51% 1999, 44% avg. Spring wheat 51% headed, 46% 1999, 48% avg. Drybeans 74% planted, 100% 1999, 96% avg. Cattle moved to 89% summer range, 95% 1999, 89% avg. Sheep moved to 91% summer range, 91% 1999, 84% avg. Irrigation water supplies 6% very short, 21% short, 73% adequate. Stock water supplies 5% very short, 20% short, 74% adequate, 1% surplus. Major farm, ranch activities included: Irrigating crops, moving livestock to summer ranges. The 1st cutting of alfalfa hay is winding down; some are beginning 2nd cutting. Crops are consistently ahead of past years throughout the state. Dry conditions are helpful for harvesting hay, but soils are drying fast. Irrigation water supplies in some localities are very short or are completely out of water. Some summer ranges are so dry that farmers are looking for alternate places to put their cattle. Spraying continues for mites, weevils, aphids, grasshoppers.

**VIRGINIA:** Days suitable for fieldwork 4.9. Topsoil 5% very short, 21% short, 59% adequate, 15% surplus. Subsoil moisture 9% very short, 24% short, 58% adequate, 9% surplus. Pastures 1% very poor, 9% poor, 34% fair, 45% good, 11% excellent. Livestock 2% poor, 11% fair, 70% good, 17% excellent. Other Hay 5% poor, 29% fair, 50% good, 16% excellent. Alfalfa Hay 1% very poor, 2% poor, 19% fair, 46% good, 32% excellent. Corn for Grain 2% poor, 15% fair, 60% good, 23% excellent, 96% planted, 100% 1999, 99% 5-yr avg. Soybeans 2% poor, 12% fair, 66% good, 20% excellent, 63% planted, 51% 1999, 53% 5-yr avg. Winter Wheat 17% harvested, 14% 1999, 8% 5-yr avg. Barley 66% harvested, 58% 1999, 48% 5-yr avg. Flue-cured tobacco 16% fair, 54% good, 30% excellent. Burley tobacco 9% poor, 20% fair, 59% good, 12% excellent, 95% transplanted, 97% 1999, 91% 5-yr avg. Dark Fire-cured tobacco 17% fair, 63% good, 20% excellent, 95% transplanted, 100% 1999, 99% 5-yr avg. Sun tobacco 3% fair, 97% good. Peanuts 12% fair, 66% good, 22% excellent, 99% planted, 100% 1999, 100% 5-yr avg. Cotton 6% poor, 22% fair, 62% good, 10% excellent, 6% squaring, 2% 1999, 10% 5-yr avg. Apples 12% fair, 64% good, 24% excellent. Peaches 33% very poor, 13% fair, 52% good, 2% excellent. Many localities in the state received rainfall last week. Severe thunderstorms moved across the state bringing damaging hail to some northern localities. Small grain farmers are hoping for a few days of warm, dry weather so they can finish their harvest. Some areas are reporting fungus in the small grain heads caused by recent rains, high humidity. Burley, dark fire tobacco growers continue to transplant as weather permits. No reports of damage to tobacco with the recent thunderstorms. There were reports of the fruit crop having trouble with worms. Other activities for the week include: Topdressing of cotton, planting pumpkins, tying tomatoes, harvesting squash, cultivating snap beans, cucumbers.

**WASHINGTON:** Days suitable for fieldwork 5.8. Topsoil 14% short, 73% adequate, 13% surplus. Subsoil moisture 39% short, 55% adequate, 6% surplus. Winter wheat dryland 4% poor, 15% fair, 57% good, 24% excellent; irrigated 82% good, 18% excellent. Headed 92%, 93% 1999, 91% Avg. Winter wheat was progressing well with the added moisture. In some areas the heads were filling with some of the wheat turning. A small

amount of volunteer barley was reported in some fields. Spring wheat dryland 1% poor, 32% fair, 53% good, 14% excellent; irrigated 96% good, 4% excellent. Headed 69%, 52% 1999, 55% avg. Barley, dryland 1% poor, 32% fair, 57% good, 10% excellent; irrigated 94% good, 6% excellent. Headed 63%, 44% 1999, 52% avg. Cereal crops progressed well because of the precipitation. Cool weather aided growing conditions. Potatoes 98% good, 2% excellent. Alfalfa hay 87% 1st cutting, 98% 1999, 72% avg.; 11% 2nd cutting, 4% 1999, 7% avg. Hay, roughage 89% adequate, 11% surplus. Range, Pasture 11% poor, 39% fair, 49% good, 1% excellent. Sweet corn, cannery pea planting continued in western state, but was slowed due to heavy precipitation. Standing water was reported in the fields. The asparagus harvest was nearly complete. Producers were tying poles to their trees for bird perches to prevent bird damage to new leaders as well as foliar feeding, applying insecticides for aphids. Alfalfa hay, green chop harvesting was slowed due to the precipitation. Cherries experienced some splitting damage due to the rain. Other fruit crops were being thinned. Due to the precipitation, chemical applications were halted for fruit crops. Timothy, grass hay cutting began. Pastureland was improving.

**WEST VIRGINIA:** Days suitable for fieldwork 3.1. Topsoil 11% short, 78% adequate, 11% surplus. Topsoil moisture, pasture feeds continue to improve. Wheat 23% fair, 77% good; Wheat 96% headed, 97% 1999, 92% 5-yr avg. Hay 1% poor, 23% fair, 55% good, 21% excellent; Hay 1<sup>st</sup> cut 61%, 86% 1999, 59% 5-yr avg. Corn 18% fair, 70% good, 12% excellent. Soybean 31% fair, 69% good. Soybeans 97% planted, 100% 1999, 87% 5-yr avg. Oats 19% fair, 55% good, 26% excellent; Oats 90% emerged, 98% 1999, 97% 5-yr avg.; 22% headed, 62% 1999. Tobacco 3% poor, 30% fair, 67% good. Tobacco 98% transplanted, 97% 1999, 86% 5-yr avg. Apple 8% poor, 68% fair, 24% good. Peach 8% poor, 67% fair, 25% good. Cattle 10% fair, 82% good, 8% excellent. Sheep 4% fair, 89% good, 7% excellent.

**WISCONSIN:** Days suitable for fieldwork 2.3. Soil moisture 0% very short, 0% short, 55% adequate, 45% surplus. Another week of below normal temperatures, abundant rainfall kept fields soggy in the lower two-thirds of the state, hampered weed, pest control measures. Northern districts that needed rainfall saw their soil moisture improve last week. Sunshine returned to southern areas of the state for the weekend, while northern areas received showers. First cutting of hay 75% 2000, 72% 1999, 60% 5-year avg. Alfalfa weevil numbers have been reported high in some areas, causing damage to first crop, also starting to feed on second crop hay fields. Dry hay making halted in some southern areas due to the continued rain, which has forced first crop to be taken as wet hay. Rain caused the winter wheat condition to slip. Winter wheat 0% very poor, 2% poor, 26% fair, 40% good, 32% excellent. Potato crop was reported as good in Waushara County with early-planted fields in full bloom. Early-planted peas for canning were also blooming. Strawberry picking has started in most locations, with sunshine, warm weather now needed. Pasture feed 1% very poor, 3% poor, 11% fair, 55% good, 30% excellent.

**WYOMING:** Days suitable for fieldwork 5.9. Topsoil 11% very short, 63% short, 26% adequate. Subsoil moisture 16% very short, 66% short, 18% adequate. Barley 70% boot, 61% 1999, 60% avg.; 36% headed, 38% 1999, 26% avg.; 3% turning color, 0% 1999, 0% avg. Barley 2% poor, 31% fair, 49% good, 18% excellent. Oats 68% jointed, 62% 1999, 68% avg.; 41% boot, 26% 1999, 35% avg.; 7% headed, 5% 1999, 12% avg.; 4% poor, 34% fair, 57% good, 5% excellent. Spring wheat 88% jointed, 72% 1999, 68% avg.; 66% boot, 43% 1999, 43% avg.; 1% headed, 14% 1999, 16% avg.; 17% poor, 42% fair, 37% good, 4% excellent. Winter wheat 97% headed, 78% 1999, 77% avg.; turning 37% color, 1% 1999, 5% avg.; 23% very poor, 38% poor, 22% fair, 17% good. Corn average height 11 inches, 10 inches 1999, 9 inches avg. Corn 2% poor, 5% fair, 89% good, 4% excellent. Dry beans 73% emerged, 84% 1999, 78% avg. Sugarbeets 21% fair, 56% good, 23% excellent. Alfalfa 1st cutting 28%, 13% 1999, 11% avg. Other hay 7% harvested, 2% 1999, 3% avg. Livestock 6% fair, 91% good, 3% excellent. Range, pasture feed 3% very poor, 11% poor, 55% fair, 31% good. Stock water supplies 7% very short, 29% short, 64% adequate.